

Title (en)

Fumaric acid diester resin composition, cross-linked fumaric acid diester resin and process

Title (de)

Harzzusammensetzung von Fumarsäurediestern, vernetztes Fumarsäurediesterharz und Verfahren

Title (fr)

Composition de diester d'acide fumarique, résine réticulée de diester d'acide fumarique et procédé

Publication

EP 1006130 A1 20000607 (EN)

Application

EP 99309559 A 19991129

Priority

JP 33909898 A 19981130

Abstract (en)

A fumaric acid diester resin composition including a resin containing a fumaric acid diester monomer, an organic peroxide and an organic solvent. When this resin composition is heated, cross-linking occurs across the resin. The resulting crosslinked resin has low dielectric constant and excellent heat resistance, solvent resistance and chemical resistance.

IPC 1-7

C08F 22/10; **C08L 35/02**

IPC 8 full level

C08J 3/24 (2006.01); **B32B 27/30** (2006.01); **C08F 22/10** (2006.01); **C08K 5/14** (2006.01); **C08L 35/02** (2006.01); **C08L 67/00** (2006.01); **H05K 1/03** (2006.01)

CPC (source: EP KR)

C08F 22/10 (2013.01 - EP); **C08L 67/00** (2013.01 - KR); **H05K 1/0326** (2013.01 - EP)

Citation (search report)

- [X] EP 0788118 A1 19970806 - TDK CORP [JP]
- [X] EP 0790289 A1 19970820 - DAINIPPON PRINTING CO LTD [JP]
- [X] EP 0253011 A1 19880120 - MORISAWA KK [JP]
- [X] US 3868408 A 19750225 - HOLLAND DEWEY GEORGE, et al
- [X] US 3891695 A 19750624 - RAY-CHAUDHURI DILIP K, et al
- [X] US 3690937 A 19720912 - GUSE GUNTER, et al
- [XA] US 4051194 A 19770927 - ISHIKAWA NOBORU, et al
- [A] US 5234972 A 19930810 - SAITOH YOSHIHIRO [JP], et al
- [XA] CHEMICAL ABSTRACTS, vol. 121, no. 20, 14 November 1994, Columbus, Ohio, US; abstract no. 232368, YOSHIDA, TATSURO ET AL: "Curable compositions containing fluoro compounds and cured coating films thereof" XP002132133 & DATABASE WPI Derwent World Patents Index; & JP H06136063 A 19940517 - NIPPON OILS & FATS CO LTD
- [A] OTSU, TAKAYUKI ET AL: "Radical polymerization and copolymerization of bis{3- [tris(trimethylsiloxy)silyl]propyl} fumarate", MAKROMOL. CHEM. (1992), 193(9), 2283-7, XP000877049

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

EP 1006130 A1 20000607; JP 2000159970 A 20000613; KR 20000035775 A 20000626

DOCDB simple family (application)

EP 99309559 A 19991129; JP 33909898 A 19981130; KR 19990053833 A 19991130